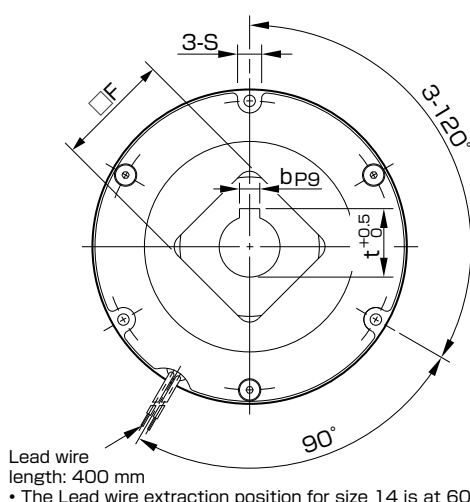


## ■ Specifications

- The armature pull-in time and armature release time are taken during DC switching.
- Backlash is the value between the rotor and rotor hub

[illegible]

| Unit [mm] |                             |     |     |     |      |    |    |     |      |                            |      |      |      |      |               |   |      |       |
|-----------|-----------------------------|-----|-----|-----|------|----|----|-----|------|----------------------------|------|------|------|------|---------------|---|------|-------|
| Size      | Radial direction dimensions |     |     |     |      |    |    |     |      | Axial direction dimensions |      |      |      |      | Bore diameter |   |      |       |
|           | A                           | B   | C   | D   | r    | E  | F  | R   | S    | J                          | L    | N    | K    | a    | d             | b | t    | d max |
| 06        | 83.5                        | 76  | 82  | 47  | R0.5 | 42 | 35 | 4.5 | 9    | 17.0                       | 7    | 14.7 | 25.0 | 0.10 | 20            | 6 | 22.5 | 25    |
| 08        | 93.5                        | 85  | 92  | 49  | R0.5 | 42 | 35 | 4.5 | 10   | 19.0                       | 7    | 15.7 | 27.0 | 0.10 | 20            | 6 | 22.5 | 25    |
| 10        | 123.5                       | 115 | 122 | 62  | R0.5 | 55 | 45 | 4.5 | 9.5  | 14.6                       | 9    | 13.7 | 24.3 | 0.10 | 24            | 8 | 27   | 28    |
| 12        | 137.5                       | 130 | 136 | 65  | R1   | 62 | 50 | 4.5 | 12   | 15.4                       | 9    | 12.5 | 25.0 | 0.15 | 24            | 8 | 27   | 30    |
| 14        | 167.5                       | 158 | 166 | 80  | R1   | 74 | 60 | 5.5 | 12   | 16.0                       | 9    | 12.0 | 25.0 | 0.15 | 28            | 8 | 31   | 38    |
| 16        | 185                         | 175 | 184 | 100 | R1   | 86 | 65 | 5.5 | 12.5 | 21.3                       | 11.5 | 19.4 | 32.8 | 0.20 | 28            | 8 | 31   | 45    |

Brake

**BXR-14-15-038-24V**

Size

Hub style  
15: Square

Static friction torque [N·m]

Voltage

Hub

**BXR-14-10-28DIN-Hub**

Size      Hub style      Bore diameter  
10: Square      (dimensional symbol d)

• Further bore diameters possible on request.

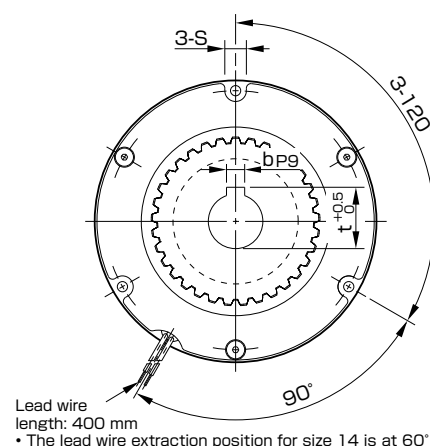
## ■ Specifications

- The armature pull-in time and armature release time are taken during DC switching.
- Backlash is the value between the rotor and rotor hub

The image displays two technical drawings of shaft-hub assemblies, labeled Assembly A and Assembly B. Both drawings show a shaft with a keyway and a hub with a keyway, with dimensions and tolerances indicated.

**Assembly A:** The shaft has a diameter of  $\phi A$  and a length of  $B$ . The hub has an inner diameter of  $\phi D F9$  and an outer diameter of  $\phi C$ . The keyway in the shaft has a width of  $\phi d H7$  and a depth of  $\phi E$ . The keyway in the hub has a width of  $\phi E$  and a depth of  $\phi C$ . The shaft is secured with a lock nut and washer. The dimensions  $3-\phi R$ ,  $Z$ , and  $a$  are also indicated.

**Assembly B:** The shaft has a diameter of  $\phi A$  and a length of  $B$ . The hub has an inner diameter of  $\phi D F9$  and an outer diameter of  $\phi C$ . The keyway in the shaft has a width of  $\phi d H7$  and a depth of  $\phi E$ . The keyway in the hub has a width of  $\phi E$  and a depth of  $\phi C$ . The shaft is secured with a lock nut and washer. The dimensions  $3-\phi R$ ,  $Z$ , and  $a$  are also indicated. The hub has a total width of  $K1$ .



| Size | Radial direction dimensions |     |     |     |      |    |     |      | Axial direction dimensions |      |      |      |      |      |      | Bore diameter |   |      |       | Unit [mm] |
|------|-----------------------------|-----|-----|-----|------|----|-----|------|----------------------------|------|------|------|------|------|------|---------------|---|------|-------|-----------|
|      | A                           | B   | C   | D   | r    | E  | R   | S    | J                          | J1   | L    | N    | K    | K1   | a    | d             | b | t    | d max |           |
| 06   | 83.5                        | 76  | 82  | 47  | R0.5 | 36 | 4.5 | 9    | 10.5                       | 18   | 12.5 | 14.7 | 25.0 | 30.5 | 0.10 | 20            | 6 | 22.5 | 25    |           |
| 08   | 93.5                        | 85  | 92  | 49  | R0.5 | 42 | 4.5 | 10   | 11.5                       | 20   | 13.5 | 15.7 | 27.0 | 33.5 | 0.10 | 20            | 6 | 22.5 | 30    |           |
| 10   | 123.5                       | 115 | 122 | 62  | R0.5 | 56 | 4.5 | 9.5  | 9                          | 18   | 15   | 13.7 | 24.3 | 33   | 0.10 | 24            | 8 | 27   | 40    |           |
| 12   | 137.5                       | 130 | 136 | 65  | R1   | 61 | 4.5 | 12   | 8.7                        | 17.7 | 15   | 12.5 | 25.0 | 32.7 | 0.15 | 24            | 8 | 27   | 45    |           |
| 14   | 167.5                       | 158 | 166 | 80  | R1   | 75 | 5.5 | 12   | 7.2                        | 17.2 | 16   | 12.0 | 25.0 | 33.2 | 0.15 | 28            | 8 | 31   | 55    |           |
| 16   | 185                         | 175 | 184 | 100 | R1   | 82 | 5.5 | 12.5 | 13.6                       | 24.6 | 18   | 19.4 | 32.8 | 42.6 | 0.20 | 28            | 8 | 31   | 65    |           |

Brake

**BXR-14-25-038-24V**



Size      Hub style      Static friction torque [N·m]      Voltage

25: Spline

Hub

**BXR-14-20-28DIN-Hub**

Size

Hub style

20: Spline

Bore diameter  
(dimensional symbol d)

- Further bore diameters possible on request.